

EAST 3/30/04

L Number	Hits	Search Text	DB	Time stamp
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1	150	("5988607" "6179100" "4543876" "5007659" "5832807" "4407397" "4455769" "4527676" "4566385" "4768629" "4973854" "5012906" "5224511" "5245826" "5385218" "5400881" "5927239" "5988222" "6017023" "6030185" "6202805" "4292884" "4325700" "4350078" "4478431" "4488853" "4560042" "4564176" "4566565" "4589528" "4607661" "4817734" "4884642" "4903896" "4910842" "4953671" "4971182" "5000028" "5004215" "5009682" "5203535" "5220817" "5244063" "5244364" "5277283" "5318157" "5330225" "5353897" "5439085" "5454452").pn. ("5460355" "5462143" "5476161" "5492311" "5588510" "5642752" "5647580" "5652488" "5896942" "5924528" "5960665" "5988331" "6105739" "6109400" "6119831" "6176692" "6199671" "6244578" "3886994" "3886992" "3886998" "3887019" "3808954"	USPAT; US-PGPUB	2004/03/29 12:18
Search History 3/29/04 1:38:59 PM Page 2 C:\APPS\least\workspaces\13886998.wsp 3887019				

2	4	"10244484"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/29 13:02
3	1	2004-036496.NRAN.	DERWENT	2004/03/29 12:19
4	56	hubert.in. and beck.in.	USPAT; US-PGPUB	2004/03/29 12:30
5	174	hubert.in. and beck.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/29 12:30
6	36	(hubert.in. and beck.in.) and (selfpumping or self adj pumping)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/29 13:42
7	1	"6474629"	USPAT; US-PGPUB	2004/03/29 12:31
8	4	"6474629" "6494442" "6553761" "6648309"	USPAT; US-PGPUB	2004/03/29 12:32

9	5	("5988607" "6179100" "4543876" "5007659" "5832807" "4407397" "4455769" "4527676" "4566385" "4768629" "4973854" "5012906" "5224511" "5245826" "5385218" "5400881" "5927239" "5988222" "6017023" "6030185" "6202805" "4292884" "4325700" "4350078" "4478431" "4488853" "4560042" "4564176" "4566565" "4589528" "4607661" "4817734" "4884642" "4903896" "4910842" "4953671" "4971182" "5000028" "5004215" "5009682" "5203535" "5220817" "5244063" "5244364" "5277283" "5318157" "5330225" "5353897" "5439085" "5454452").pn. ("5460355" "5462143" "5476161" "5492311" "5588510" "5642752" "5647580" "5652488" "5896942" "5924528" "5960665" "5988331" "6105739" "6109400" "6119831" "6176692" "6199671" "6244578" "3889907" "3884002" "3887019" "3808954"	USPAT; EPO	2004/03/29 13:30
Search History 3/29/04 1:30:07 PM Page 4 C:\APPS\least\workspaces\18888588.wsp				

10	5	("5826862" "6494441" "5062616" "5423402" "5464079").PN.	USPAT; EPO USPAT	2004/03/29 12:35
11	11	(US-6648309-\$ or US-6553761-\$ or US-6494442-\$ or US-6474629-\$ or US-5988607-\$ or US-5647580-\$ or US-6494441-\$ or US-5826862-\$ or US-5464079-\$ or US-5423402-\$ or US-5062616-\$).did.		2004/03/29 12:45
12	13	de adj "4022099" de adj "3910119" de adj "3816102" de adj "2356802" de adj "4403196" de adj "2944831"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/29 13:01
13	1	1994-256390.NRAN.	DERWENT	2004/03/29 12:57
14	3	"5046755"	USPAT; US-PGPUB	2004/03/29 13:00
15	21	"4993693"	USPAT; US-PGPUB	2004/03/29 13:00
16	4	de adj "4022099"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/29 13:01
17	0	de adj 2"10244484"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/29 13:02
18	2	de adj2 "10244484"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/29 13:03
19	10295	B60G017/00 B60G017/08 F16F009/34 F16F009/50 F16F009/512	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/29 13:04
20	10037	B60G017/00.ipc. B60G017/08.ipc. F16F009/34.ipc. F16F009/50.ipc. F16F009/512.ipc.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/29 13:04
21	100	(B60G017/00.ipc. B60G017/08.ipc. F16F009/34.ipc. F16F009/50.ipc. F16F009/512.ipc.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/29 13:06
22	7) and (selfpumping or self adj pumping) (B60G017/00.ipc. B60G017/08.ipc. F16F009/34.ipc. F16F009/50.ipc. F16F009/512.ipc.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/29 13:13
23	3) and (selfpumping or self adj pumping) same adjust\$4 with valve (B60G017/00.ipc. B60G017/08.ipc. F16F009/34.ipc. F16F009/50.ipc. F16F009/512.ipc.	USPAT; US-PGPUB	2004/03/29 13:24
30	0) and (selfpumping or self adj pumping) same adjust\$4 with valve ZF.asn. and Sachs.asn. and (selfpumping or self adj pumping) same adjust\$4 with valve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/29 13:25
31	2	Sachs.asn. and (selfpumping or self adj pumping) same adjust\$4 with valve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/29 13:26
32	0	de adj "24105771"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/29 13:26

33	2	de adj2 "4105771"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/29 13:27
34	20	"5392885"	USPAT; US-PGPUB	2004/03/29 13:28
35	1	1992-293281.NRAN.	DERWENT	2004/03/29 13:27
36	3	"5392885" and pump\$4	USPAT; US-PGPUB	2004/03/29 13:28
37	0	5392885.pn. and pump\$4	USPAT; US-PGPUB	2004/03/29 13:28
38	0	5392885.pn. and selfpump\$4	USPAT; US-PGPUB	2004/03/29 13:28
39	4	(selfpumping or self adj pumping) same hydropneumatic same adjust\$6 near3 valve	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/29 13:35
40	1	1991-369903.NRAN.	DERWENT	2004/03/29 13:34
41	4	hydropneumatic same adjust\$6 near3 valve same (selfpump\$4 or self adj pump\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/29 13:37
42	16	adjust\$6 near3 valve and 267/64.17.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/29 13:39
43	3	adjust\$6 near3 valve same low adj pressure and 267/64.17.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/29 13:40
44	10	(hubert.in. and beck.in.) and (selfpumping or self adj pumping) same adjust\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/29 13:43

Butler, Douglas

From: PLUS
Sent: Monday, March 29, 2004 9:13 AM
To: Butler, Douglas
Subject: PLUS Results for 10668568

Here are the PLUS search results for 10668568.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



10668568_QUAL.txt



10668568_LIST.txt



10668568_WEST.txt



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10668568_CLS.txt



10668568_CLSTITLES.txt



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10668568_LIST

PLUS Search Results for S/N 10668568, Searched March 29, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10668568_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 10668568 on March 29, 2004

Original Classifications

4 188/266.1
4 188/315
3 123/90.11
3 188/266.2
3 188/266.5
3 188/282.5
3 267/140.13
2 91/445
2 123/90.13
2 188/266.4
2 188/266.6
2 188/269
2 188/282.2
2 188/282.3
2 188/282.8
2 188/313
2 188/314
2 188/322.17
2 188/322.21
2 267/64.11
2 267/64.26

Cross-Reference Classifications

16 188/322.15
11 188/315
10 188/322.14
8 188/314
8 188/317
8 188/318
7 91/459
7 137/625.64
6 92/85B
6 123/90.14
5 91/465
5 188/322.13
4 188/266.6
4 188/269
4 280/5.515
3 60/413
3 188/282.5
3 188/282.8
3 188/283.1
3 188/322.17
3 267/219
3 267/64.15
3 417/540
2 60/468
2 91/461
2 123/90.12
2 137/513.3
2 137/514
2 173/162.1
2 188/266.2
2 188/282.1

2 188/282.4
 2 188/285
 2 188/298
 2 188/316
 2 188/322.2
 2 188/322.22
 2 188/322.5
 2 251/63.5
 2 267/122
 2 267/218
 2 267/256
 2 267/64.22
 2 267/64.23
 2 267/64.26
 2 267/64.27
 2 280/124.102
 2 280/124.159
 2 280/124.161
 2 280/5.51
 2 280/5.513
 2 417/392

Combined Classifications

16 188/322.15
 15 188/315
 11 188/322.14
 10 188/314
 9 188/318
 8 91/459
 8 188/317
 7 123/90.14
 7 137/625.64
 6 92/85B
 6 188/266.6
 6 188/269
 6 188/282.5
 5 91/465
 5 188/266.2
 5 188/282.8
 5 188/322.13
 5 188/322.17
 5 280/5.515
 4 60/413
 4 188/266.1
 4 188/266.5
 4 267/140.13
 4 267/219
 4 267/64.15
 4 267/64.26
 3 123/90.11
 3 188/266.4
 3 188/282.1
 3 188/282.3
 3 188/283.1
 3 188/298
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 3 280/5.51
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2 60/520
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2 91/445
2 91/461
2 123/90.12
2 123/90.13
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2 137/513.3
2 137/514
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2 173/212
2 188/266.3
2 188/266.7
2 188/280
2 188/281
2 188/282.2
2 188/282.4
2 188/284
2 188/285
2 188/299.1
2 188/316
2 188/322.19
2 188/322.2
2 188/322.21
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2 280/5.513
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2 417/383
2 417/392

10668568_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10668568 on March 29, 2004

- 16 188/322.15 (0 OR, 16 XR)
Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/322.13 .Valve structure or location
188/322.15 ..Piston valve detail (e.g., seat design,
structural arrangement, metering element)
- 15 188/315 (4 OR, 11 XR)
Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/297 .Having a thrust member with a variable volume
chamber (e.g., coaxial or telescoping tubes, compensat
ing
reservoir)
188/313 ..With valve controlling fluid flow between
chambers or compartments of the chamber
188/314 ...With reservoir for fluid
188/315Annular reservoir
- 11 188/322.14 (1 OR, 10 XR)
Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/322.13 .Valve structure or location
188/322.14 ..Foot valve
- 10 188/314 (2 OR, 8 XR)
Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/297 .Having a thrust member with a variable volume
chamber (e.g., coaxial or telescoping tubes, compensati
ng
reservoir)
188/313 ..With valve controlling fluid flow between
chambers or compartments of the chamber
188/314 ...With reservoir for fluid
- 9 188/318 (1 OR, 8 XR)
Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/297 .Having a thrust member with a variable volume
chamber (e.g., coaxial or telescoping tubes, compensat
ing
reservoir)
188/316 ..Fluid through or around piston within chamber
188/317 ...Via fixed or variable orifice in piston
188/318And passage venting fluid external to
chamber
- 8 91/459 (1 OR, 7 XR)
Class 091 : MOTORS: EXPANSIBLE CHAMBER TYPE
91/418 WITH MOTIVE FLUID VALVE
91/459 .Electrically operated (275) (361)
- 8 188/317 (0 OR, 8 XR)

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Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/297 .Having a thrust member with a variable volume
 chamber (e.g., coaxial or telescoping tubes, compensati
 ng reservoir)
 188/316 ..Fluid through or around piston within chamber
 188/317 ...Via fixed or variable orifice in piston

7 123/90.14 (1 OR, 6 XR)
 Class 123 : INTERNAL-COMBUSTION ENGINES
 123/90.1 POPPET VALVE OPERATING MECHANISM
 123/90.14 .Pneumatic system

7 137/625.64 (0 OR, 7 XR)
 Class 137 : FLUID HANDLING
 137/561R SYSTEMS
 137/625 .Multi-way valve unit
 137/625.2 ..Supply and exhaust
 137/625.6 ...Pilot-actuated
 137/625.64Electric

6 92/85B (0 OR, 6 XR)
 Class 092 : EXPANSIBLE CHAMBER DEVICES
 92/85R WITH CUSHIONING MEANS EFFECTIVE OVER A PORTION
 ONLY OF STROKE
 92/85B .Fluid spring

6 188/266.6 (2 OR, 4 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/266.1 .Motion damped from condition (e.g., bump,
 speed change) detected outside of retarder
 188/266.2 ..Condition actuates valve or regulator
 188/266.5 ...Of the pulsating or reciprocating type
 188/266.6Side mounted

6 188/269 (2 OR, 4 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/269 .Using diverse fluids

6 188/282.5 (3 OR, 3 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/281 .Resistance alters relative to direction of
 thrust member (e.g., high resistance in one direction,
 low in the other)
 188/282.1 ..Via valved orifice in thrust member
 188/282.5 ...Flexible flap-type valve (e.g., compression
 washers)

5 91/465 (0 OR, 5 XR)
 Class 091 : MOTORS: EXPANSIBLE CHAMBER TYPE
 91/418 WITH MOTIVE FLUID VALVE
 91/462 .For double-acting motor
 91/465 ..Relatively movable unitary inlet and exhaust

10668568_CLSTITLES
valves for opposed working chambers

- 5 188/266.2 (3 OR, 2 XR)
Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/266.1 .Motion damped from condition (e.g., bump,
speed change) detected outside of retarder
188/266.2 ..Condition actuates valve or regulator
- 5 188/282.8 (2 OR, 3 XR)
Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/281 .Resistance alters relative to direction of
thrust member (e.g., high resistance in one direction,
low in the other)
188/282.1 ..Via valved orifice in thrust member
188/282.8 ...Spring-loaded valve
- 5 188/322.13 (0 OR, 5 XR)
Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/322.13 .Valve structure or location
- 5 188/322.17 (2 OR, 3 XR)
Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/322.16 .Including seal or guide
188/322.17 ..Between piston rod and cylinder
- 5 280/5.515 (1 OR, 4 XR)
Class 280 : LAND VEHICLES
280/5.5 SUSPENSION MODIFICATION ENACTED DURING TRAVEL
(I.E., ACTIVE SUSPENSION CONTROL)
280/5.515 .Suspension stiffness for ride comfort (e.g.,
damping coefficient, spring rate)
- 4 60/413 (1 OR, 3 XR)
Class 060 : POWER PLANTS
60/325 PRESSURE FLUID SOURCE AND MOTOR
60/413 .With control means for structure storing work
driving energy (e.g., accumulator, etc.)
- 4 188/266.1 (4 OR, 0 XR)
Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/266.1 .Motion damped from condition (e.g., bump,
speed change) detected outside of retarder
- 4 188/266.5 (3 OR, 1 XR)
Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/266.1 .Motion damped from condition (e.g., bump,
speed change) detected outside of retarder
188/266.2 ..Condition actuates valve or regulator
188/266.5 ...Of the pulsating or reciprocating type
- 4 267/140.13 (3 OR, 1 XR)
Class 267 : SPRING DEVICES

10668568_CLSTITLES

- 267/136 RESILIENT SHOCK OR VIBRATION ABSORBER
 267/140.11 .Including energy absorbing means or feature
 (e.g., supplemental vehicle equipment, such as motor mount,
 seat, etc., including additional fluid or friction energy
 absorber)
 267/140.13 ..Axial
- 4 267/219 (1 OR, 3 XR)
 Class 267 : SPRING DEVICES
 267/2 VEHICLE
 267/195 .Mechanical spring and nonresilient retarder
 (e.g., shock absorber)
 267/217 ..Fluid retarder
 267/219 ...Elastomeric spring
- 4 267/64.15 (1 OR, 3 XR)
 Class 267 : SPRING DEVICES
 267/2 VEHICLE
 267/64.11 .Comprising compressible fluid
 267/64.15 ..With retarder
- 4 267/64.26 (2 OR, 2 XR)
 Class 267 : SPRING DEVICES
 267/2 VEHICLE
 267/64.11 .Comprising compressible fluid
 267/64.15 ..With retarder
 267/64.26 ...Having telescoping cylinders
- 3 123/90.11 (3 OR, 0 XR)
 Class 123 : INTERNAL-COMBUSTION ENGINES
 123/90.1 POPPET VALVE OPERATING MECHANISM
 123/90.11 .Electrical system
- 3 188/266.4 (2 OR, 1 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/266.1 .Motion damped from condition (e.g., bump,
 speed change) detected outside of retarder
 188/266.2 ..Condition actuates valve or regulator
 188/266.3 ...Of the rotary type
 188/266.4Having plural openings
- 3 188/282.1 (1 OR, 2 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/281 .Resistance alters relative to direction of
 thrust member (e.g., high resistance in one direction, low
 in the other)
 188/282.1 ..Via valved orifice in thrust member
- 3 188/282.3 (2 OR, 1 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/281 .Resistance alters relative to direction of
 thrust member (e.g., high resistance in one direction,

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in the other)

188/282.1 ..Via valved orifice in thrust member
 188/282.2 ...Valve actuated by electrical system
 188/282.3System initiated by a pressure change or
 feedback

3 188/283.1 (0 OR, 3 XR)

Class 188 : BRAKES

188/266 INTERNAL-RESISTANCE MOTION RETARDER

188/283 ..Piston having a restrictable opening (e.g.,
 apertured plate) in a fixed volume chamber

188/283.1 ..Vortex flow passages

3 188/298 (1 OR, 2 XR)

Class 188 : BRAKES

188/266 INTERNAL-RESISTANCE MOTION RETARDER

188/297 ..Having a thrust member with a variable volume
 chamber (e.g., coaxial or telescoping tubes, compensatin

g

reservoir)

188/298 ..Forming flexible wall enclosure for fluid

3 188/313 (2 OR, 1 XR)

Class 188 : BRAKES

188/266 INTERNAL-RESISTANCE MOTION RETARDER

188/297 ..Having a thrust member with a variable volume
 chamber (e.g., coaxial or telescoping tubes, compensatin

g

reservoir)

188/313 ..With valve controlling fluid flow between
 chambers or compartments of the chamber

3 280/5.51 (1 OR, 2 XR)

Class 280 : LAND VEHICLES

280/5.5 SUSPENSION MODIFICATION ENACTED DURING TRAVEL
 (I.E., ACTIVE SUSPENSION CONTROL)

280/5.508 ..Lateral vehicle disposition

280/5.51 ..Steering element responsive (e.g., steering
 angle, steering rate)

3 417/540 (0 OR, 3 XR)

Class 417 : PUMPS

417/437 EXPANSIBLE CHAMBER TYPE

417/540 ..Having pulsation dampening fluid receiving
 space

2 60/468 (0 OR, 2 XR)

Class 060 : POWER PLANTS

60/325 PRESSURE FLUID SOURCE AND MOTOR

60/459 ..Condition responsive control of motive fluid
 flow

60/468 ..Of by-pass of motor, pump or flow control
 element

2 60/520 (1 OR, 1 XR)

Class 060 : POWER PLANTS

60/516 MOTOR OPERATED BY EXPANSION AND/OR CONTRACTION
 OF A UNIT OF MASS OF MOTIVATING MEDIUM

60/517 ..Unit of mass is a gas which is heated or

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cooled in one of a plurality of constantly communicating
expansible chambers and freely transferable therebetween

- 60/520 ..Having free floating displacer or transfer
 piston
- 2 62/6 (1 OR, 1 XR)
 Class 062 : REFRIGERATION
 62/6 GAS COMPRESSION, HEAT REGENERATION AND
 EXPANSION, E.G., STIRLING CYCLE
- 2 91/445 (2 OR, 0 XR)
 Class 091 : MOTORS: EXPANSIBLE CHAMBER TYPE
 91/418 WITH MOTIVE FLUID VALVE
 91/444 .Relatively movable serial valves
 91/445 ..Stop valve between working chamber and inlet
 and exhaust valve
- 2 91/461 (0 OR, 2 XR)
 Class 091 : MOTORS: EXPANSIBLE CHAMBER TYPE
 91/418 WITH MOTIVE FLUID VALVE
 91/461 .Pilot valve (304)
- 2 123/90.12 (0 OR, 2 XR)
 Class 123 : INTERNAL-COMBUSTION ENGINES
 123/90.1 POPPET VALVE OPERATING MECHANISM
 123/90.12 .Hydraulic system
- 2 123/90.13 (2 OR, 0 XR)
 Class 123 : INTERNAL-COMBUSTION ENGINES
 123/90.1 POPPET VALVE OPERATING MECHANISM
 123/90.12 .Hydraulic system
 123/90.13 ..With manifold and distributor
- 2 137/512.1 (1 OR, 1 XR)
 Class 137 : FLUID HANDLING
 137/455 LINE CONDITION CHANGE RESPONSIVE VALVES
 137/511 .Direct response valves (i.e., check valve
 type)
 137/512 ..Plural
 137/512.1 ...Dividing and recombining in a single flow
 path
- 2 137/513.3 (0 OR, 2 XR)
 Class 137 : FLUID HANDLING
 137/455 LINE CONDITION CHANGE RESPONSIVE VALVES
 137/511 .Direct response valves (i.e., check valve
 type)
 137/513.3 ..With leak passage
- 2 137/514 (0 OR, 2 XR)
 Class 137 : FLUID HANDLING
 137/455 LINE CONDITION CHANGE RESPONSIVE VALVES
 137/511 .Direct response valves (i.e., check valve
 type)
 137/514 ..With retarder or dashpot
- 2 173/162.1 (0 OR, 2 XR)
 Class 173 : TOOL DRIVING OR IMPACTING

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173/162.1 INCLUDING MEANS TO VIBRATIONALLY ISOLATE A
DRIVE MEANS FROM ITS HOLDER

2 173/212 (1 OR, 1 XR)

Class 173 : TOOL DRIVING OR IMPACTING
173/90 IMPACTING DEVICES (E.G., HAMMERS)
173/210 .With impact cushioning means
173/212 ..Fluid spring

2 188/266.3 (1 OR, 1 XR)

Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/266.1 .Motion damped from condition (e.g., bump,
speed change) detected outside of retarder
188/266.2 ..Condition actuates valve or regulator
188/266.3 ...Of the rotary type

2 188/266.7 (1 OR, 1 XR)

Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/266.7 .Piezoelectric

2 188/280 (1 OR, 1 XR)

Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/280 .Relative speed of thrust member or fluid flow

2 188/281 (1 OR, 1 XR)

Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/281 .Resistance alters relative to direction of
thrust member (e.g., high resistance in one direction, lo
w
in the other)

2 188/282.2 (2 OR, 0 XR)

Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/281 .Resistance alters relative to direction of
thrust member (e.g., high resistance in one direction,
low
in the other)

188/282.1 ..Via valved orifice in thrust member
188/282.2 ...Valve actuated by electrical system

2 188/282.4 (0 OR, 2 XR)

Class 188 : BRAKES
188/266 INTERNAL-RESISTANCE MOTION RETARDER
188/281 .Resistance alters relative to direction of
thrust member (e.g., high resistance in one direction,
low
in the other)

188/282.1 ..Via valved orifice in thrust member
188/282.2 ...Valve actuated by electrical system
188/282.4System having distinct selections (e.g.,
hard, medium, soft)

2 188/284 (1 OR, 1 XR)

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Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/284 .Position of thrust member relative to chamber

2 188/285 (0 OR, 2 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/284 .Position of thrust member relative to chamber
 188/285 ..Having a fluid flow passage adjusted manually
 (e.g., threaded plug, threaded rod, gearing)

2 188/299.1 (1 OR, 1 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/299.1 .Controlled by an operator (e.g., vehicle
 driver) remote from retarder

2 188/316 (0 OR, 2 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/297 .Having a thrust member with a variable volume
 chamber (e.g., coaxial or telescoping tubes, compensatin
 reservoir)
 188/316 ..Fluid through or around piston within chamber

2 188/322.19 (1 OR, 1 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/322.19 .Cylinder structure

2 188/322.2 (0 OR, 2 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/322.19 .Cylinder structure
 188/322.2 ..Having connection for side-mounted valve type

2 188/322.21 (2 OR, 0 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/322.19 .Cylinder structure
 188/322.21 ..Having means for filling or recharging

2 188/322.22 (0 OR, 2 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/322.22 .Thrust member or piston structure

2 188/322.5 (0 OR, 2 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/322.5 .Using viscosity of fluid medium

2 188/62 (1 OR, 1 XR)
 Class 188 : BRAKES

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188/2R VEHICLE
 188/33 .Railway
 188/62 ..On track

2 251/63.5 (0 OR, 2 XR)
 Class 251 : VALVES AND VALVE ACTUATION
 251/12 FLUID ACTUATED OR RETARDED
 251/62 .Piston type expansible chamber reciprocating
 valve actuator
 251/63.5 ..Coaxial actuator, seat and valve

2 267/122 (0 OR, 2 XR)
 Class 267 : SPRING DEVICES
 267/113 FLUID
 267/118 .Expansible-contractible chamber device
 267/122 ..Diaphragm or bellows

2 267/218 (0 OR, 2 XR)
 Class 267 : SPRING DEVICES
 267/2 VEHICLE
 267/195 .Mechanical spring and nonresilient retarder
 (e.g., shock absorber)
 267/217 ..Fluid retarder
 267/218 ...With separate pump or adjustment for spring
 loading

2 267/256 (0 OR, 2 XR)
 Class 267 : SPRING DEVICES
 267/2 VEHICLE
 267/228 .Lever and nontorsion spring
 267/256 ..Fluid spring

2 267/64.11 (2 OR, 0 XR)
 Class 267 : SPRING DEVICES
 267/2 VEHICLE
 267/64.11 .Comprising compressible fluid

2 267/64.17 (1 OR, 1 XR)
 Class 267 : SPRING DEVICES
 267/2 VEHICLE
 267/64.11 .Comprising compressible fluid
 267/64.15 ..With retarder
 267/64.16 ...Leveling device
 267/64.17 Self-pumping

2 267/64.22 (0 OR, 2 XR)
 Class 267 : SPRING DEVICES
 267/2 VEHICLE
 267/64.11 .Comprising compressible fluid
 267/64.15 ..With retarder
 267/64.22 ...Having metering pin for varying spring rate

2 267/64.23 (0 OR, 2 XR)
 Class 267 : SPRING DEVICES
 267/2 VEHICLE
 267/64.11 .Comprising compressible fluid
 267/64.15 ..With retarder
 267/64.23 ...Having flexible wall

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- 2 267/64.27 (0 OR, 2 XR)
 - Class 267 : SPRING DEVICES
 - 267/2 VEHICLE
 - 267/64.11 .Comprising compressible fluid
 - 267/64.27 ..Having flexible wall
- 2 280/124.102 (0 OR, 2 XR)
 - Class 280 : LAND VEHICLES
 - 280/29 WHEELED
 - 280/80.1 .Running gear
 - 280/124.1 ..Suspension arrangement
 - 280/124.101 ...Including preparatory elasticity parameter selection
 - 280/124.102Manual actuation
- 2 280/124.159 (0 OR, 2 XR)
 - Class 280 : LAND VEHICLES
 - 280/29 WHEELED
 - 280/80.1 .Running gear
 - 280/124.1 ..Suspension arrangement
 - 280/124.157 ...Fluidic suspension
 - 280/124.158Hydraulic and pneumatic
 - 280/124.159Fluid handling details
- 2 280/124.161 (0 OR, 2 XR)
 - Class 280 : LAND VEHICLES
 - 280/29 WHEELED
 - 280/80.1 .Running gear
 - 280/124.1 ..Suspension arrangement
 - 280/124.157 ...Fluidic suspension
 - 280/124.16Fluid handling details
 - 280/124.161Closed system
- 2 280/5.513 (0 OR, 2 XR)
 - Class 280 : LAND VEHICLES
 - 280/5.5 SUSPENSION MODIFICATION ENACTED DURING TRAVEL (I.E., ACTIVE SUSPENSION CONTROL)
 - 280/5.513 .Longitudinal vehicle disposition (e.g., antidive, antipitch, antisquat)
- 2 280/5.514 (1 OR, 1 XR)
 - Class 280 : LAND VEHICLES
 - 280/5.5 SUSPENSION MODIFICATION ENACTED DURING TRAVEL (I.E., ACTIVE SUSPENSION CONTROL)
 - 280/5.514 .Riding or suspension height (e.g., ground-clearance, "trim height")
- 2 280/5.519 (1 OR, 1 XR)
 - Class 280 : LAND VEHICLES
 - 280/5.5 SUSPENSION MODIFICATION ENACTED DURING TRAVEL (I.E., ACTIVE SUSPENSION CONTROL)
 - 280/5.515 .Suspension stiffness for ride comfort (e.g., damping coefficient, spring rate)
 - 280/5.519 ..Plural distinct modes (i.e., HARD-SOFT)
- 2 417/383 (1 OR, 1 XR)
 - Class 417 : PUMPS
 - 417/321 MOTOR DRIVEN

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417/375 .Fluid motor
417/379 ..With motive fluid generator
417/383 ...Pulsator or fluid link

2 417/392 (0 OR, 2 XR)

Class 417 : PUMPS

417/321 MOTOR DRIVEN

417/375 .Fluid motor

417/392 ..Common pumping and motor working member